

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A system sensing apparatus for making measurements in a wellbore and communicating data representing the measurements to the surface comprising:

a sensor; and

a housing comprising and sensing means, characterised in that the housing comprises a plurality of separable passive data receptors elements to which data acquired by the sensing meanssensor is transferred, and which are releasable, after data transfer, from the housing.

Claim 2 (currently amended): A sensing apparatussystem according to claim 1, wherein the sensing means includes orsensor is electrically connected to an electronic memory means within the passive data receptor which temporarily stores the acquired data, the electrical connection being broken prior to or during release of the passive data receptor from the housing.

Claim 3 (currently amended): A sensing apparatussystem according to claim 1, wherein the sensing apparatus further comprises an actuatable port means, openable to release the separable elementspassive data receptors.

Claim 4 (currently amended): A sensing apparatussystem according to claim 1, wherein the separable elementspassive data receptors each comprise a rigid casing with a sealable aperture, the casing surrounding data storage means in which the acquired data is stored for transfer to the surfacethe electronic memory and the electrical connection passing through the sealable aperture.

Claim 5 (currently amended): A sensing apparatussystem according to claim 4, wherein the sealable aperture is formed by an aperture surrounded by a sealing material, with the sealing material being heat treatable within the housing so as to provide after the

electrical connection is broken a fluid-tight seal which is continuous with the easing surface of the rigid casing.

Claim 6 (currently amended): A sensing apparatus system according to claim 1, wherein the separable elements passive data receptors are spherical.

Claim 7 (currently amended): A sensing apparatus system according to claim 6, wherein each separable element passive data receptor comprises two hollow metal hemispheres, joined by a plastics seal to form a sphere.

Claim 8 (currently amended): A sensing apparatus system according to claim 1, wherein the housing of the sensing apparatus and outer casings of the separable elements passive data receptors are formed from plastics material or metal.

Claim 9 (currently amended): A sensing apparatus system according to claim 1, wherein the separable elements passive data receptors are configured to be either neutrally buoyant or buoyant, in relation to well fluids within the wellbore.

Claim 10 (currently amended): A sensing apparatus system according to claim 1, wherein the separable elements passive data receptors have a diameter in the range of 1 to 10cm.

Claim 11 (currently amended): A sensing apparatus system according to claim 1, wherein the separable elements passive data receptors have a diameter in the range 1 to 5cm.

Claim 12 (currently amended): A sensing apparatus system according to claim 1, wherein the data is encrypted prior to transfer to the separable elements passive data receptors.

Claim 13 (currently amended): A method of acquiring data from downhole, comprising the steps of:

-placing downhole a sensing apparatus system containing comprising a sensor and a number of separable elements passive data receptors;

making measurements using the sensor;
transferring data representing the measurements to the passive data receptors; and
releasing the elements passive data receptors to carry the acquired data from
downhole to the surface as required.

Claim 14 (cancelled).

P1
and.

Claim 15 (new): A system according to claim 1 wherein the sensor is located within the housing and the sensor is adapted make measurements while the housing descends into the wellbore.

Claim 16 (new): A system according to claim 15 wherein the housing is a robotic logging device.

Claim 17 (new): A system according to claim 16 wherein the robotic logging device is autonomously powered.

Claim 18 (new): A system according to claim 15 wherein the housing is attached to a wireline.
